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PERSONAL INCOME AND POPULATION IN KANSAS COUNTIES: 1950-1962

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1 June 1966

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PREFACE

Personal income is considered to be one of the best single measures of economic progress and well-being. This is true at all levels--national, state, local. Estimates of personal income for the nation are published monthly by the U. S. Department of Commerce, Office of Business Economics, in its Survey of Current Business, and state estimates are prepared annually. Unfortunately, comparable estimates of personal income at the county level are not available. Because of the need for income information at the sub-state level, a research effort was undertaken, under the sponsorship of the National Aeronautics and Space Administration, to develop estimates of county income, population and other measures of economic progress for a six-state region.* Questions relating to concepts, methodology, data sources, and data limitations for the region as a whole are discussed in separate volumes.** This appendix volume dealing with the State of Kansas was prepared by Dr. Darwin W. Dairoff of the University of Kansas. The report is one of six which present the methodology followed by the respective states along with estimates of county population and personal income.

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* Arkansas, Iowa, Kansas, Missouri, Nebraska, and Oklahoma.

** Midwest Research Institute, Methods of Estimating Personal Income by County in the Six-State Region of Arkansas, Iowa, Kansas, Missouri, Nebraska, and Oklahoma, May 1966.

Richard W. Poole, James D. Tarver, David White, and William R. Gurley, An Evaluation of Alternative Techniques for Estimating County Population in a Six-State Area, Economic Research Series No. 3, Oklahoma State University, 1966.

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I. INTRODUCTION

The purpose of this study was to develop a reliable series of data on personal income for the 105 counties in the State of Kansas. Annual estimates were made for the period 1950 through 1962. During the course of this study, a methodology was developed which can be used to update these estimates each year.[1] This report outlines the procedures used and presents estimates of population and personal income for the Kansas counties.

II. METHODS OF ESTIMATING COUNTY INCOME

Since the working and basic assumption of this study was that the estimates of personal income for Kansas as provided by the Office of Business Economics of the United States Department of Commerce (OBE) are accurate, the general procedure of this study was one of allocation.[2] The task of dividing the various components of personal income among the 105 counties in the State required finding data that would provide the most satisfactory bases for county allocations.

The allocators used in this study are of two types. First, when it was possible to obtain annual data for the counties, the allocation basis for distributing the OBE total among the 105 counties was yearly. Second, when annual data were not available, the distribution of the OBE totals was made for two or three benchmark years and extended to the other years by extrapolation and interpolation (a method used considerably by the OBE).

Wage and Salary Disbursements

The Department of Commerce, Office of Business Economics, divides Kansas wage and salary disbursements as follows:

- Farms
- Mining
  - Bituminous and other soft coal
  - Crude petroleum and natural gas
  - Mining and quarrying, except fuel

1/ The Office of Economic Analysis of the State of Kansas is now in the process of refining and updating these estimates.

2/ Although reliance was placed in the OBE estimates, some adjustments are considered in order to satisfy basic residence requirements.

Contract construction
Manufacturing
Wholesale and retail trade
Finance, insurance and real estate
  Banking and other finance
  Insurance and real estate
Transportation
  Railroads
  Highway freight and transportation and warehousing
  Other transportation
Communication and public utilities
  Telephone, telegraph, and other communications
  Electric, gas, and other public utilities
Services
  Hotels and other lodging places
  Personal services and private households
  Business and repair services
  Amusement and recreation
  Professional, social, and related services
Government
  Federal, civilian
  Federal, military
  State and local
Other Industries

Since the Office of Business Economics estimates wages and salaries for each of the above categories, the totals in each category were distributed among the Kansas counties. In most instances, the procedure involved distributing the State totals on the basis of data derived by calculating the number of employees or wages and salaries in each county, the raw data for which were taken from wage and salary distribution as reported by the Employment Security Division, Kansas Department of Labor. Since the raw data provided by the Employment Security Division did not cover all industries, the following exceptions to the procedure of county allocation were employed:

Farms: This category was distributed on the basis of county distribution of "Hired Labor" as provided by the U. S. Census of Agriculture for the years 1949, 1954 and 1959. These data were interpolated between these years and extrapolated beyond.

Railroads: This category was distributed on the basis of railroad employment per county as provided by the 1950 and 1960 U. S. Census of Population by the use of interpolation and extrapolation.

Private households: Since the Department of Commerce breaks the category of personal services and private households into its two components, the components were distributed separately. The private households category

was distributed on the basis of private household employees per county as provided in the 1950 and 1960 U. S. Census of Population, and these two years were used as benchmarks.

Professional, social, and related services: This category was allocated on the basis of the percentage distribution of the number of employees in these services per county as contained in the 1950 and 1960 U. S. Census of Population. The 1950 data include employees in medical and other health; educational services, private; and other professional and related services. The 1960 data include employees in hospitals; educational services, private; welfare, religious, and related services; and other professional and related services.

Government--federal, civilian: This category was allocated on the basis of 1950 and 1960 benchmark years. The Joint Committee on Reduction of Non-Essential Federal Expenditures provided the data.3/

Governments--federal, military: This category was allocated on the basis of 1950 and 1960 U. S. Census of Population data. The number of military personnel in residence in each county in these years was used as a benchmark.

Government--state and local: The state portion of this category was obtained from U. S. Department of Commerce, Bureau of the Census, Compendium of State Government Finances. Local government wages and salaries were taken to be the difference between the OBE estimates and the state government wages and salaries. Each subcategory was then allocated separately.

State wages and salaries: The state totals were distributed on the basis of a percentage distribution for the years 1954, 1957, 1959, and 1961. The percentage distributions were obtained by allocating wages and salaries of all state agencies in the benchmark years among the 105 counties. From these benchmarks, the data were extrapolated and interpolated.

Local government wages and salaries: County allocations for this category were based upon percentage distributions for the years 1957 and 1952. The 1957 distribution was based upon the data provided on local government wages and salaries in the 1957 U. S. Census of Government. The 1952 distribution was obtained from wages and salaries of all school districts in Kansas as provided in their 1954 budgets. These 1952 school figures were then

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3/ The United States Congress, Senate Joint Committee Reduction of Non-essential Expenditures, Additional Report of the Joint Committee on Reduction of Non-essential Federal Expenditures.

adjusted to a county estimate for all local government wages and salaries by assuming that the 1957 (Census of Government) ratio of educational salaries to total salaries prevailed. This ratio was applied to the 1952 figures, which then provided an estimate of local government wages and salaries. Some adjustment was made to account for those counties that suffered an extraordinary decline in local government employment between 1952 and 1957.

Other industries: In Kansas only part of this category, agricultural and similar service establishments, is important. Wages and salaries for SIC group 07 (agriculture services and hunting and trapping) was used for the allocation of this component of wages and salaries.

In the wages and salary disbursements that did not fall into the above-noted exceptions, county allocations were made on the basis of the raw data provided by the Employment Security Division, Kansas Department of Labor. Two steps were employed in the use of these data:

1. Part of the wages and salaries were directly allocable to individual counties. These data were collected for the first quarter of each year.

2. The remainder of wages and salaries is a statewide category and includes the wages and salaries paid by firms that carry on operations in more than one county. It is necessary, therefore, to distribute this portion among various counties. The method for such distribution was based upon a biennial survey taken in the first quarter of every odd year. This survey asked each multi-county employer to locate the number of employees by county. When this survey was tabulated, the number of employees per industry, per county, was known for these multi-county firms. From these data, estimates for employment for even-numbered years were made by averaging the two odd-numbered years at either side of the appropriate even-numbered year. In order to convert the number of employees to first quarter wages and salaries, an average first quarter wage by industry was estimated. This wage was multiplied by the number of employees per county in each industry to arrive at an estimate for county wages and salaries of multi-county firms.4/

It was necessary to group Employment Security Division data into groupings comparable to the Office of Business Economics categories. Two different groupings were necessary, because different classification codes were used during the period. In the 1950 - 1957 period, the Employment Security

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4/ There was no survey for 1951; consequently, the years 1949 and 1953 were used as benchmarks for the intervening period.

Division used the Social Security Board, Industrial Classification Code, 1942. Since 1958, this agency has used the code published in the Bureau of the Budget, Standard Industrial Classification Manual, 1957.

In order to provide an estimate of the validity of the use of Employment Security Division data, the year 1959 was studied in detail. Data from all four quarters of directly allocable wages and salaries and appropriately adjusted multi-county data produced information that could be used to estimate the reliability of these data in relation to the Department of Commerce estimates. There are only two categories in which the obtained data underestimated the OBE estimates by more than 25 per cent. Since both of these categories are relatively small and because Employment Security Division data provided a better basis than any alternate sources, these data were accepted.

The question of the validity of using first quarter data rather than annual data in establishing the estimates was answered by comparing annual estimates to first quarter estimates for three industries in 1959. While some discrepancies are evident, it appears that for the most part they are minor. Although the county allocation would be somewhat more exact if annual data had been used, the limitations of resources available for this study prevented using all four quarters.

A final limitation of the method used in this study resulted from the estimation of wages and salaries of multi-area firms. Throughout the period, multi-area employment constituted approximately one-third of covered wages and salaries. A very large proportion of the employees of the utility categories fall with the classification of multi-area employment. Since the location of these employees is, however, quite permanent, the results of the computations for this category should be reliable, but in the categories of crude and natural gas and of contract construction the reliability of the estimates may lessen somewhat, as the labor force of these industries is mobile. The first quarter location in one county does not guarantee that the same employee will work in that county during the succeeding quarters of the year. Since no other data are available for such an allocation, the computations outlined above were accepted as the best alternative.

Other Labor Income

This category includes employer contributions to private pension and welfare funds, compensation for injuries, pay for military reservists, directors' fees, government payments to enemy prisoners of war, federal contributions to group life insurance, merchant marine war-risk life and injury claims, compensation of prison inmates, marriage fees to justices of the peace,

and jury and witness fees. The distribution of this category's income lacks theoretical basis. The only association of this category with readily available data would be with either population or wages and salaries. This portion of personal income was allocated on the basis of the annual county percentage distributions of total wages and salaries.

Property Income

This component of personal income includes rent, dividends, and interest. The breakdown of this component into its three categories was from the OBE.

Rent: Rent was distributed on the basis of the assessed value of real property by county. The data were adjusted to take into account the varying assessment ratios among the counties. Data for the years 1950, 1955, and 1960, as contained in State of Kansas, Property Valuation Department, Report of Real Assessment Ratio Study (annual series) were used as benchmarks. The validity of this allocation may be questioned, because there are differences in the ratios of rental property to owner-occupied property in various counties and because property owners do not necessarily reside in the same county as their property holdings. This method of allocation was, however, accepted, as the alternative method of allocating on the basis of rent reported on state income tax forms was less satisfactory. The allocation by assessed value of real property was compared to rent income reported on a sample number of state income tax returns for 1958. The results of this comparison were not favorable and cast suspicion as to the validity of these income tax data. For example, these data show that in Shawnee County, the county in which the state capital is located and the fourth most populous county in the state, the 1960 rental income was only slightly more than 1 per cent of Kansas rental income. Consequently, the income tax data were rejected as a means of allocation and property value was accepted.

Dividends and interest: Dividends and interest were allocated on the basis of total bank deposits by county for the years 1950, 1956, and 1959, as presented in the U. S. Department of Commerce, Bureau of the Census, County and City Data Book. The percentage distributions for the benchmark years were interpolated and extrapolated.

In an effort to strengthen this allocator, state intangibles tax collections were tested as an alternative allocator. This alternative method was rejected because certain intangibles are free from taxes under existing state laws and, during the period, the tax was revised allowing the taxpayer to pay either on value or earnings, which resulted in a very significant change

in percentage distributions. A second alternative method was tested and also rejected. This alternative method compared the allocation by total bank deposits to a percentage distribution of interest and dividends as reported in a sample of 1958 perconal income tax returns. Since this comparison showed considerable discrepancies and since the income tax data were available for only one year, this use of state income tax data as an acceptable allocator was discarded as unsatisfactory.

Proprietors' Income

Proprietors' income is divided into farm and nonfarm portions. Each was allocated separately.

Nonfarm: This component includes net income of owners of business establishments and professional practitioners. The basis for distributing this category among the counties was the fact that the location of these people is correlated with the location of retail sales and the residence of professional people. Therefore, this component was distributed on the basis of annual sales tax collections per county from unpublished data received from the Kansas Department of Revenue.

An alternate method that could be employed in distributing this component would be to divide the component into its various categories and make the distribution on the basis of number of businesses per county (as contained in the U. S. Census of Business) and the number of professional people located in each of the counties times a figure of annual earnings (as found in the U. S. Census of Population). This method was rejected, because it was felt that such estimates would not sufficiently increase the validity of the estimates to justify obtaining such estimates.

Farm: This component contains gross farm income adjusted for changes of inventory of certain crops and livestock minus expenses for operating the establishment. Gross farm income includes (1) sale of farm products, (2) value of home consumption, (3) estimated rental value of farm dwellings, and (4) government payments to farmers.

The method used to allocate farm proprietors' income was divided into two steps. First, an estimate of net income from farming was obtained. Second, government payments were added to obtain total farm proprietors' income.

For the years 1949, 1954 and 1959, estimates of farm personal income per county excluding government payments was obtained from U. S.

Department of Commerce, Bureau of the Census, U. S. Census of Agriculture. Since this source itemizes county receipts and specified farm expenses, a percentage distribution of farm income, excluding government payments, was obtained by subtracting enumerated expenses from receipts from marketings and adjusting this figure for changes in inventory of livestock and poultry as presented in Kansas State Department of Agriculture Farm Facts.

The county data for the total value of field crops and the total value of livestock and poultry produced for all years that is presented in Farm Facts is substantially different from the census data, as Farm Facts uses a value added concept while the census estimates sales from marketing. Therefore, it was necessary to convert the census data to the value added method if yearly estimates were to be obtained. The net income figure that was obtained for the census years was used in connection with value added estimates from Farm Facts to construct an estimate of a profit ratio for the three years. These profit ratios are then interpolated and extrapolated. Annual profit ratios per county were multiplied by the annual Farm Facts estimates of value added per county to obtain the basis of allocating income from farming.

An alternate method of estimating county farm income would be to distribute expenses among the counties. The Department of Agriculture estimates of farm expenses are, however, based primarily on data collected during the census years, so it was decided that such a method would show a minimum of difference from the method employed.

The rental value of farm dwellings is not separately estimated, or it is rather small in Kansas. Further, any method by which it could be distributed would be of doubtful validity. It should be noted that the use of value added statistics would include value of home consumption as well as sale of farm commodities in an estimate of farm income.

Total government payments to Kansas farmers for each year are availfor an annual tabulation made by the U. S. Department of Agriculture. This source presents a breakdown of the various agricultural programs that involve a government payment.

County allocations for most programs can be found in the Annual Report and Statistical Summary, published by the Kansas Crop and Livestock Reporting Service. For all programs, the totals for the various programs as published by the Kansas Crop and Livestock Reporting Service are not equal to the U. S. Department of Agriculture totals. Where data relating to a particular program were unavailable for a particular year, the available data in adjacent years were averaged. If data concerning a small program were unavailable, the total of this program was added to a similar program for which data were available.

The county estimates of government payments were made under the assumption that the total as presented by the U. S. Department of Agriculture is consistent with the OBE estimate. Second, it was assumed that the percentage distribution of the Kansas Crop and Livestock Reporting Service is accurate. The distribution procedure was then simply to allocate the U. S. Department of Agriculture total, by program, according to the Kansas Crop and Livestock Reporting Service distribution.

The basic data were such that the estimates in the first half of the period to 1955 are reasonably accurate. In the years since 1955, when the programs have become more numerous and complicated, the estimates are more subject to error.

Transfer Payments

The Office of Business Economics furnished the following breakdown for transfer payments for each year.

Federal transfer payments
- Old-age and survivors' insurance benefits
- State and national unemployment insurance benefits
- Railroad benefits (unemployment and retirement)
- Federal civilian pensions
- Government life insurance benefits
- Payments to nonprofit institutions
- Military retirement
- Veterans' pensions and compensation
- Other

State and local government transfer payments
- Government pensions
- Direct relief
- Other

Business transfer payments

The components were distributed as follows:

Old-age and survivors' insurance benefits: This category was distributed on the basis of data received from the Social Security Administration. These data show the dollar payments per county for the final month of each calendar year. Since data were unavailable for December, 1950, and December, 1958, the February figures of the following years were used.

State and national unemployment insurance benefits: This component was distributed on the basis of 1950 and 1960 benchmarks. The 1960 benchmark was obtained from the U. S. Census of Population data on the number of unemployed in the labor force. The 1950 benchmark was obtained from the Kansas Employment Security Division data in the Statistical Abstract-unemployment payments per county. A better estimate could have been reached if statistics on unemployment payments per county were available for the years following 1950; however, this could not be done as the collection of such data was terminated by the agency following 1950. In an attempt to improve the estimate, a comparison was made between the number of unemployed and the unemployment payments in 1950; several major discrepancies appeared. Additionally, since the agency now reports its unemployment payments according to geographic district, the county unemployment payments were compared to regional payments divided into counties on the basis of population. Here again several discrepancies appeared. Consequently, it was decided that the number of unemployed was to be used in 1960 and the unemployment payments were to be used in 1950. As a result of two series, the earlier estimates should be better than the later years' estimates.

Railroad benefits: This category was distributed annually on the basis of railroad wages and salaries.

Federal civilian pensions: This component was distributed annually on the basis of federal civilian government wages and salaries.

Government life insurance benefits, military retirement, and veterans' pension and compensation: These components were distributed on the basis of 1950 and 1960 census benchmarks by the number of males per county over 14 years of age.

Payments to nonprofit institutions: This category was distributed on the basis of the number of students enrolled in schools of higher education with 1951 and 1961 used as benchmarks. The data were taken from the Kansas Education Directory.

Other federal transfer payments: This component was distributed on the basis of the distribution of the preceding federal transfer payments.

State and local government pensions: This category was distributed annually on the basis of state and local government wage and salary disbursements.

Direct relief and other state and local government transfer payments: These components were distributed by fiscal year as provided by the State Department of Social Welfare, Financial Statements for Fiscal Year.

Business transfer payments: The distribution was on the basis of annual state sales tax receipts provided by the Kansas State Department of Revenue.

Personal Contributions for Social Insurance

This category includes all payments from personal income to social insurance programs. These include old-age and survivors' insurance, state unemployment insurance, cash sickness-compensation funds, railroad retirement insurance, federal civilian retirement systems, state and local retirement systems, and government life insurance. The OBE provided a breakdown of the total into OASI contributions, both employee and self-employed and other contributions. The self-employed contributions were distributed on the basis of annual distribution of proprietors' income. Employee OASI and other contributions were distributed on the basis of the annual distribution of total wage and salary payments.

III. ADJUSTMENT FOR RESIDENCE

Personal income represents income of persons by place of residence, as opposed to "income payments," which includes income on a "where earned" basis. Thus, the estimates of personal income for the State of Kansas, for example, include income earned in Kansas City, Missouri, by residents of Johnson County, Kansas. The same concept applies, of course, at the county level within any given state.

This designation on a "place of residence" basis introduces one of the most critical and perplexing problems associated with county income analysis--the situs or commuting problem. Many of the allocators used to distribute state totals to the counties are available only on a place of employment basis. Use of these allocators can lead to an improper distribution of income where extensive commuting is prevalent.

A cursory examination of the Kansas personal income estimates reported by the Office of Business Economics revealed that the Kansas estimates were understated. An effort was made to determine the extent of this discrepancy, and the analysis of the major components of personal income revealed that the "place of residence" definition was not always followed by OBE in constructing the Kansas estimates. The following discussion of specific major components of personal income indicates where the discrepancies occurred and their effect upon the total income estimates for Kansas.

Wages and Salaries

Almost all wages and salaries, with the exception of (1) railroad, (2) private household, and (3) professional, social, and related services, are distributed on the basis of location of employment rather than where a wage or salary earner lives. The results of quantifying these facts indicate that 88 per cent of Kansas wage and salary disbursements in 1960 do not adhere to the definition of residence as employed by the Office of Business Economics and are, in fact, distributed on the basis of employment location.5/

Other labor income, including (1) employee contributions to private pensions and welfare funds, (2) compensation for injuries and (3) pay for military reservists, is also distributed on the basis of the location of employment.

Proprietors' Income

Farm proprietors' income is estimated on the basis of data presented in U. S. Census of Agriculture and similar government publications, which include statistics collected by the Department of Agriculture. These data indicate that income is allocated by the location of farm rather than where the farmer lives; however, it is unlikely that in the majority of instances this method of allocation would cause difficulty.

Nonfarm proprietors' income is distributed according to classifications based on professional type of business, etc., and the majority of this income is distributed on the basis of (1) the U. S. Census of Population, (2) the U. S. Census of Business, and (3) a 1951 - 1952 benchmark of self-employed as compiled by the OASI agency. Consequently, these data should reflect an allocation by where a person lives; however, these distributions have not adjusted appreciably since the 1950 U. S. Census of Population and the 1951 - 1952 benchmark.

5/ Since wage and salary estimates basically come from tabulations of reports by business establishment, the OBE does make some adjustments in personal income data for certain areas--Washington, D. C.; Kentucky (re: Ohio, Indiana, and Illinois); all of New York (re: New Jersey and Connecticut)--however, no such adjustments are made for Kansas.

Other Income

Monetary property income is distributed on the basis of Federal Income Tax returns; therefore, this portion of the component is correctly distributed. Imputed property income is distributed on the basis of such data as location of bank deposits, life insurance owners, etc. Thus this portion is not entirely distributed according to the residence definition employed by OBE.

Transfer payments are distributed in various ways, and, since a complete examination could not be undertaken, it is assumed that they are distributed on the basis of the residence definition.

Conclusion

From the analysis, it was concluded that a major portion of the state's personal income is measured on the basis of location of employment rather than place of residence. Since northeast Kansas performs a "bedroom function" for the Kansas City, Missouri, area, it was evident that Kansas personal income is understated by the OBE.

Since the switching in the definition that occurred in the collection of the personal income data did result in Kansas personal income being understated, an additional analysis of examining and quantifying the amount of underestimation was undertaken.

The 1960 U. S. Census of Population provides a new concept for measuring income earned in the form of wages and salaries and proprietary income from a peripheral state by residents of the central state. One can examine two bordering states and, by measuring the flow into each of the states from the other, can arrive at a net addition or subtraction for the two states for the census year. The following table indicates the net changes to Kansas personal income accruing from each of her peripheral states in the manner prescribed above.

Before increasing Kansas income by the results given in the table, it was necessary to ask two questions:

1. How much of the net change in Kansas income is already included in the OBE estimates of Kansas personal income?

2. Is there a difference between the census estimates of personal income and OBE estimates?

NET CHANGES IN KANSAS INCOME ACCRUED
FROM HER PERIPHERAL STATES
1959

State of Source	Proprietary	Wages and Salaries
Colorado	$ 631,800[a]	$ 806,519
Missouri	57,868,778	263,629,050
Nebraska	552,953	2,011,334
Oklahoma	- 161,269	- 161,269
Total Accrued to Kansas	$58,892,262	$266,285,634

a/ Colorado's proprietary income for Kansas residents was not provided separately. Therefore, it was adjudged to be equal to total income minus wages and salaries.

Source: Computed from U. S. Census of Population 1960, "Detailed Characteristics," PC (1) series for the six-states, Table 132.

Previously it was determined that 88 per cent of Kansas wages and salaries for 1960 was estimated solely on the basis of employment location, while the remainder was estimated on a combination of employment and residence location. Consequently, it was assumed that 94 per cent of the wages and salaries earned by Kansas residents outside of Kansas is not included in the OBE estimate of Kansas personal income.

The portion of proprietary income that should accrue to Kansas from her peripheral states would in part depend upon the source, farm or nonfarm. All of the farm income earned outside of Kansas by Kansas residents is excluded from the OBE estimate of Kansas income; consequently, it was assumed that all accrued proprietary farm income should be added to the OBE estimates.

On the basis of terrain and location of cities, etc., it was assumed that all proprietary income crossing the state lines between Kansas and Colorado, Nebraska, or Oklahoma is farm proprietary income and that 10 per cent of proprietary income moving between Kansas and Missouri is farm proprietary income (the remainder was assumed to be nonfarm proprietary income).

A determination of the portion of the nonfarm proprietary income that moves from Missouri into Kansas that is included in the OBE estimate was then made. Since the OBE estimate is based upon data compiled in the early 1950's occupational groups as compiled by the 1950 and 1960 U. S. Census of Population were examined in an effort to find what changes had occurred in the 10-year span. Analysis of these data indicates that the percentage increase in Kansas nonfarm proprietary income was smaller than the percentage increase in the number of people earning nonfarm proprietary income and that the percentage decrease in Missouri nonfarm proprietary income was not as large as the percentage decrease in individuals earning this income. Therefore, unless one argued that there has been a substantial change in income per professional person, it was evident that almost all nonfarm proprietary income earned in Missouri by Kansans is included in the estimates of Kansas income. On the basis of this analysis, it was arbitrarily assumed that 60 per cent of the nonfarm proprietary income that moved from Missouri to Kansas was not included in the OBE estimates for 1959.

When OBE personal income is compared to U. S. Census income (average earnings multiplied by income earners), one finds that the OBE estimate is significantly higher. Therefore, the estimates of nonfarm proprietary income crossing state lines had to be adjusted so that the estimates, which were to be added to the Kansas personal income estimates, would be comparable to the base figure. A mean of the census to OBE estimates for the five states and for the United States as a whole showed that census income was 77.72 per cent of OBE estimates. Consequently, the changes to states income were divided by this figure to obtain a change comparable to the OBE estimates.

One final change was made for the terminal adjustment. Since the income of the states changed, it appeared that state contributions for social insurance should also change. Therefore, these estimates were adjusted on the basis of a state's change in wage and salary disbursements and proprietary income.

The consequence of these adjustments was to raise considerably the estimated total personal income of Kansas. For 1959, this adjustment raised income from $4,302 billion to $4,663 billion. This, consequently, changed the estimates of county income.

Since the majority of this adjustment involves Missouri, the major counties affected in Kansas would be those counties near the large Missouri cities. These counties are Cherokee, Crawford, Doniphan, Douglas, Johnson, Leavenworth and Wyandotte. The most striking of the adjustments occurred in Johnson County. Here total personal income in 1959 without adjustments for residence was $158 million; with all residence adjustments, the figure more than doubled--$353 million.

Fortunately, for many purposes of regional analysis, data for individual counties are combined into multi-county regions such as an SMSA or larger area, and the situs problem is minimized. Recognizing the problem, but also recognizing the time and budget constraints imposed on some of the individual state participants in the six-state program, the decision was made to report unadjusted county income estimates. It was felt that individual researchers, given the basic income data, would be more familiar with the specific areas and would be better able to make the necessary adjustments. Moreover, for the sake of consistency it was not appropriate for one or two states to make adjustments in their total state estimates while other states did not. Adjusted income estimates are available for the State of Kansas, however, and will be provided upon request by the Office of Economic Analysis of the State of Kansas.

IV. ESTIMATES OF POPULATION AND PERSONAL INCOME BY COUNTY IN KANSAS

TABLE I

PERSONAL INCOME IN KANSAS BY COUNTY: 1950-1962

County	Thousands of Dollars												
	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Allen	19,466	19,820	21,451	20,043	21,571	20,678	22,137	24,246	26,043	26,240	27,264	28,488	29,166
Anderson	11,568	11,067	12,017	10,183	10,826	9,982	10,221	11,358	13,840	13,165	14,209	14,800	14,381
Atchison	26,183	28,641	29,410	29,410	31,297	31,754	32,075	35,602	36,813	38,952	38,742	39,876	41,231
Barber	13,012	13,588	16,265	12,329	13,568	13,645	14,645	16,458	19,213	17,225	17,695	17,762	17,262
Barton	45,275	53,395	59,394	56,965	59,590	61,531	64,971	63,191	69,265	70,057	71,681	72,601	75,208
Bourbon	21,318	21,671	22,538	21,377	22,315	22,471	23,318	25,643	27,526	27,412	28,762	29,154	30,035
Brown	18,274	17,156	19,317	16,542	18,532	16,068	16,614	17,832	22,026	21,859	23,148	24,172	24,172
Butler	46,859	50,300	53,499	51,390	53,758	52,330	57,429	60,355	66,028	69,828	67,072	68,088	69,450
Chase	8,083	8,003	8,401	6,787	6,779	6,102	6,771	6,456	8,601	7,894	8,248	8,284	7,888
Chautauque	7,494	7,710	8,162	7,263	7,812	7,272	7,613	8,151	9,381	8,892	9,070	9,038	9,067
Cherokee	25,321	26,826	29,997	26,815	31,249	30,917	31,644	32,381	34,044	33,774	35,135	36,745	36,991
Cheyenne	9,274	7,787	10,672	7,647	7,408	6,590	6,328	8,001	10,710	9,641	10,765	10,540	10,389
Clark	6,879	7,222	9,073	5,518	6,535	5,842	6,133	6,907	9,415	8,338	9,112	9,052	9,015
Clay	14,479	14,712	15,773	14,135	15,001	13,652	14,090	15,032	18,737	18,656	19,706	21,057	21,106
Cloud	19,494	19,776	21,076	18,557	21,017	18,909	19,998	20,844	25,003	24,746	25,468	27,459	27,197
Coffey	11,557	10,776	11,738	9,448	10,006	9,324	9,938	11,111	13,782	13,128	14,018	14,614	14,715
Comanche	6,353	6,411	8,384	5,006	5,823	4,640	4,714	6,098	8,051	6,739	7,449	7,475	7,311
Cowley	43,691	47,141	52,335	51,801	54,601	53,443	57,503	59,904	65,210	67,200	66,956	70,173	72,467
Crawford	43,552	46,706	48,089	47,382	46,705	47,472	51,948	55,073	58,555	60,202	64,123	65,867	69,430
Decatur	9,258	8,792	11,102	8,044	9,427	8,276	7,719	8,430	11,888	10,352	11,972	11,954	12,091
Dickinson	27,972	28,083	30,309	27,592	29,623	28,614	30,097	32,273	39,056	40,326	40,761	42,652	43,772
Doniphan	10,360	9,571	10,938	9,402	10,090	8,763	8,706	9,447	12,304	11,638	11,691	12,792	13,046
Douglas	37,163	54,621	49,090	45,674	49,171	53,174	56,602	58,695	66,004	69,605	75,961	79,460	82,952
Edwards	7,414	7,970	10,311	6,515	8,422	7,234	7,422	8,448	11,202	9,754	11,340	11,415	11,274
Elk	7,615	7,611	7,932	6,737	7,250	6,492	6,620	7,131	8,284	7,740	7,790	7,546	7,343
Ellis	25,086	26,234	28,571	24,995	27,007	27,777	28,642	29,263	34,495	35,286	36,925	37,949	40,090
Ellsworth	11,374	12,001	13,941	10,762	12,160	10,916	11,052	11,238	14,031	13,345	13,904	14,435	14,624
Finney	23,267	24,666	28,886	23,120	23,452	23,941	25,133	26,930	33,479	33,063	36,927	38,366	39,794
Ford	29,635	32,006	38,826	31,355	31,760	31,567	32,995	34,350	41,154	41,396	46,443	49,175	50,330
Franklin	21,499	21,873	23,574	21,476	22,860	23,270	25,542	26,995	30,247	30,570	32,797	32,882	33,115
Geary	41,138	48,887	61,046	64,618	62,395	62,007	63,539	63,801	68,218	69,650	67,942	69,250	72,493
Gove	7,362	6,674	8,967	5,252	6,186	5,339	5,034	5,863	9,537	8,300	10,256	10,079	10,283
Graham	7,389	7,544	9,209	7,132	7,961	7,651	7,621	8,615	11,186	11,218	11,978	10,998	11,433
Grant	8,734	9,268	10,425	7,510	8,913	9,403	9,597	9,876	12,780	12,699	13,898	14,157	15,929
Gray	7,076	6,579	10,375	5,202	6,777	6,209	6,656	7,374	10,811	8,474	11,354	12,284	11,535
Greeley	4,684	3,917	7,185	3,149	3,793	3,408	3,550	4,547	6,779	6,299	7,211	6,153	7,182
Greenwood	18,397	19,095	19,526	16,516	17,500	16,223	16,601	17,818	19,721	20,273	20,154	19,754	19,551
Hamilton	6,724	6,283	8,118	4,771	5,163	5,275	5,001	5,690	8,450	8,420	9,843	8,868	9,027

TABLE I (Continued)

Kansas

County	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
	Thousands of Dollars												
Harper	14,603	13,669	17,529	12,956	14,849	13,166	14,122	15,018	19,351	18,468	19,355	20,724	19,809
Harvey	27,731	29,727	32,504	30,679	32,012	31,956	36,117	39,698	45,685	47,443	48,167	49,836	50,375
Haskell	4,284	4,724	6,704	3,844	4,323	4,251	5,144	5,466	7,943	7,116	9,514	10,363	9,554
Hodgeman	5,454	5,336	7,598	3,522	4,867	4,142	4,580	5,001	7,732	6,092	8,078	8,151	8,490
Jackson	11,901	11,271	11,877	10,239	12,018	11,112	11,611	12,119	14,495	14,418	15,542	17,110	17,335
Jefferson	11,031	10,543	11,998	10,006	11,351	10,277	11,302	12,296	14,683	14,253	15,323	16,674	16,337
Jewell	13,138	11,670	12,713	8,872	11,822	8,518	8,657	9,673	12,927	11,302	12,322	13,155	12,664
Johnson	50,284	59,539	103,459	124,793	122,798	120,399	126,488	138,535	144,782	157,918	176,182	192,677	204,992
Kearny	7,421	6,690	8,481	4,563	5,180	5,203	5,203	6,029	9,022	8,070	9,034	9,493	9,095
Kingman	13,140	12,794	15,593	11,421	13,300	11,241	12,303	12,734	16,950	16,702	16,867	17,994	18,689
Kiowa	7,692	8,041	10,265	6,215	7,838	6,708	7,173	8,476	10,570	8,897	9,827	10,222	10,217
Labette	31,293	33,437	36,415	35,518	36,493	36,529	41,789	40,683	43,491	45,247	47,155	47,655	48,084
Lane	6,331	5,830	8,524	4,579	5,484	5,080	4,884	4,914	8,121	7,137	9,093	9,100	9,691
Leavenworth	50,057	55,802	62,865	65,002	64,920	65,471	68,843	71,421	75,367	76,966	81,022	84,004	83,392
Lincoln	9,122	8,741	10,560	7,806	9,165	7,572	7,583	7,746	10,924	9,888	10,551	11,499	11,496
Linn	9,930	8,873	9,696	7,930	8,864	7,782	8,619	10,490	12,370	12,498	13,261	13,419	12,599
Logan	7,193	6,455	8,919	5,878	6,812	6,293	6,337	8,540	9,156	9,156	10,481	10,065	12,628
Lyon	34,643	36,111	37,629	34,893	37,522	39,338	43,122	43,446	48,223	49,156	52,644	55,572	55,410
McPherson	33,335	34,146	36.637	33,041	34,508	32,193	34,839	35,973	44,416	45,258	47,132	50,405	51,337
Marion	19,774	17,833	19,513	16,741	18,399	16,001	16,811	18,103	23,417	22,747	23,534	24,596	24,788
Marshall	22,664	21,343	23,494	22,279	23,968	21,070	21,183	22,458	27,322	26,304	27,192	29,492	29,760
Meade	8,178	8,305	10,865	6,967	7,907	7,054	7,462	8,024	11,253	9,968	11,582	12,549	11,774
Miami	21,933	22,573	24,477	23,174	24,886	25,490	28,151	28,756	30,615	30,240	33,808	34,221	33,825
Mitchell	13,087	13,093	15,030	12,020	14,288	11,646	11,637	12,158	17,004	15,653	17,016	17,756	18,386
Montgomery	53,718	59,478	69,800	69,561	74,737	73,522	83,444	84,533	85,533	84,456	85,306	85,931	87,215
Morris	11,621	10,719	11,725	9,681	10,420	9,265	10,084	11,808	14,156	13,072	13,239	13,829	14,013
Morton	3,824	4,639	5,046	4,025	4,634	4,578	5,049	7,330	8,105	7,265	7,898	8,022	8,644
Nemaha	17,298	16,163	17,147	14,572	17,021	14,154	14,306	15,780	20,624	19,377	20,687	22,018	22,023
Neosho	22,838	22,947	24,317	23,494	24,991	25,028	27,983	29,660	32,045	33,574	34,877	35,417	35,789
Ness	10,264	9,762	13,392	7,412	9,223	8,058	7,787	7,724	12,243	10,195	12,070	11,966	12,446
Norton	11,790	11,980	13,695	11,037	12,679	11,412	11,566	12,737	15,389	14,485	15,523	16,125	16,260
Osage	13,577	13,263	13,662	11,701	12,987	12,148	13,549	14,413	17,290	17,121	18,262	19,669	18,692
Osborne	12,159	11,513	13,357	9,983	11,767	9,966	9,627	10,471	14,131	13,288	14,345	14,728	14,544
Ottawa	8,547	8,472	10,263	8,331	9,829	8,145	8,578	9,408	12,169	11,471	11,860	12,486	12,203
Pawnee	14,649	15,306	19,777	14,595	17,663	15,945	16,084	16,359	21,173	19,283	22,058	22,471	23,469
Phillips	11,398	11,589	13,451	10,936	13,688	12,345	12,383	12,288	15,629	14,759	15,824	16,828	17,363
Pottawatomie	16,251	15,185	16,078	13,764	14,983	13,299	14,213	15,268	19,038	18,260	18,848	19,754	20,037
Pratt	18,858	19,082	23,517	18,879	21,224	20,153	21,639	22,559	26,014	25,049	26,241	27,632	27,891

TABLE I (Concluded)

Kansas

County	Thousands of Dollars												
	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Rawlins	10,377	8,937	11,702	7,603	8,193	7,678	6,685	7,396	11,122	9,843	11,737	11,055	10,618
Reno	78,323	86,242	94,598	91,245	96,593	93,780	101,563	103,097	117,619	119,055	125,771	131,589	137,378
Republic	14,786	14,070	14,924	11,413	14,031	10,950	12,106	13,442	17,305	16,314	17,390	18,523	19,140
Rice	21,274	23,821	27,080	22,605	24,600	22,578	22,790	22,649	26,391	26,490	27,136	28,929	28,435
Riley	52,737	60,130	70,976	76,424	76,658	74,964	77,962	78,099	84,013	85,709	86,814	89,550	102,260
Rooks	13,080	13,814	15,587	12,997	15,143	14,342	14,986	14,259	17,645	16,134	17,360	17,095	16,920
Rush	9,341	10,108	12,563	8,026	10,358	8,910	9,183	9,800	13,775	11,241	12,450	12,530	12,950
Russell	20,438	23,064	26,332	23,423	24,187	22,803	22,735	22,708	25,811	25,549	26,080	26,281	28,598
Saline	48,375	55,922	68,773	76,871	82,481	90,939	94,758	98,414	110,670	122,435	126,473	148,852	165,466
Scott	8,746	8,763	12,036	8,233	8,134	8,110	8,277	8,988	13,066	12,241	14,659	15,507	20,631
Sedgwick	371,580	524,067	632,906	666,038	693,257	743,510	771,037	836,515	854,926	879,035	877,779	910,170	953,803
Seward	15,316	16,385	18,327	16,520	17,936	18,693	21,907	26,174	31,562	32,752	35,216	37,897	41,634
Shawnee	177,069	203,526	226,618	239,003	241,716	268,529	298,542	312,812	332,877	346,070	367,817	382,825	395,290
Sheridan	7,328	6,266	6,152	6,152	7,279	6,400	5,910	6,154	9,677	8,248	10,107	9,570	9,794
Sherman	12,890	10,731	13,794	11,042	10,865	10,000	9,985	11,638	15,457	15,323	17,647	15,915	16,973
Smith	11,725	11,192	12,732	8,660	11,192	8,695	9,280	10,799	13,981	12,534	13,714	13,975	14,189
Stafford	13,253	12,939	16,166	12,547	14,526	12,259	13,005	13,133	16,052	15,030	17,053	17,053	15,780
Stanton	4,903	5,598	6,553	3,768	3,768	4,359	3,955	4,077	7,627	6,953	8,218	7,955	7,955
Stevens	7,490	7,909	8,886	6,489	8,239	7,651	7,488	10,942	12,116	11,081	11,581	11,435	12,038
Sumner	29,731	29,578	37,279	31,200	33,958	31,200	33,937	34,989	43,756	42,999	44,716	46,057	45,138
Thomas	14,749	11,928	16,379	12,250	13,620	13,802	12,191	12,427	18,994	16,678	19,396	17,853	18,933
Trego	7,185	7,172	9,758	6,489	7,674	7,029	7,027	7,320	10,738	9,665	11,050	9,936	10,662
Wabaunsee	10,202	9,766	9,944	7,602	8,333	7,575	7,470	7,811	10,441	9,528	10,119	11,476	10,387
Wallace	4,752	3,784	5,750	3,128	3,322	2,940	3,043	5,465	5,925	5,384	5,978	5,017	5,986
Washington	15,867	14,262	15,854	13,169	14,965	12,057	12,141	12,664	17,685	15,840	16,872	18,380	18,103
Wichita	5,036	5,182	8,158	4,466	5,164	4,611	4,468	5,046	8,274	7,694	9,167	8,557	9,331
Wilson	15,871	16,355	18,401	17,636	18,738	18,104	18,771	19,359	21,540	21,690	22,048	22,808	22,611
Woodson	6,903	6,736	7,075	5,933	6,456	5,993	6,722	8,219	9,312	8,636	8,900	8,684	9,126
Wyandotte	261,540	305,194	326,685	358,783	374,690	395,789	407,322	399,335	393,401	428,177	439,508	452,341	492,584

TABLE II

POPULATION IN KANSAS BY COUNTY: 1950-1962

County	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Allen	17,387	17,156	16,533	16,115	16,134	16,448	16,520	16,407	16,262	16,335	16,319	16,155	16,058
Anderson	9,837	9,686	9,499	9,137	8,963	8,854	8,601	8,410	8,714	8,836	9,009	8,910	8,824
Atchison	20,817	20,279	19,790	19,547	19,454	19,427	19,682	19,921	19,466	21,023	20,874	20,837	20,836
Barber	8,713	8,555	8,333	8,618	8,750	8,813	9,012	8,895	8,949	8,709	8,720	8,738	8,763
Barton	30,601	30,005	31,117	32,367	32,880	32,881	32,420	32,418	32,393	32,244	32,571	33,405	34,332
Bourbon	18,657	18,685	18,043	17,323	16,716	16,140	16,137	15,751	15,842	15,825	16,033	15,800	15,598
Brown	14,617	14,514	14,454	14,057	13,882	13,609	13,260	13,053	13,109	12,808	13,189	13,050	12,961
Butler	32,053	31,783	33,704	34,749	35,176	37,154	37,914	38,149	37,934	39,572	38,575	39,339	40,196
Chase	4,564	4,583	4,483	4,422	4,360	4,233	4,091	3,976	3,958	3,857	3,901	3,832	3,780
Chautauque	7,015	7,026	6,807	6,310	6,340	6,380	6,377	6,074	5,897	5,787	5,930	5,825	5,725
Cherokee	24,208	24,148	23,300	22,555	22,366	22,224	22,084	21,875	21,757	21,833	22,207	21,959	21,770
Cheyenne	5,517	5,407	5,283	4,755	4,621	4,550	4,480	4,443	4,577	4,601	4,686	4,602	4,524
Clark	3,763	3,782	3,716	3,601	3,564	3,526	3,186	3,185	3,261	3,364	3,387	3,343	3,299
Clay	11,150	11,032	10,380	9,764	9,897	9,917	9,979	9,889	10,169	10,311	10,614	10,544	10,487
Cloud	16,493	16,071	16,034	15,489	15,366	15,247	15,189	14,520	14,367	14,163	14,359	14,208	14,093
Coffey	9,914	9,643	9,096	8,530	8,171	8,171	8,203	8,077	8,197	8,203	8,370	8,221	8,075
Comanche	3,702	3,655	3,511	3,347	3,214	3,053	2,910	2,842	2,942	3,163	3,257	3,212	3,173
Cowley	36,618	36,788	36,391	36,027	38,578	38,954	39,142	39,326	38,790	38,109	37,873	37,928	38,072
Crawford	38,569	38,190	37,880	37,476	37,181	36,936	36,665	36,631	36,515	36,545	36,954	36,630	36,451
Decatur	5,923	5,930	5,874	5,785	5,743	5,825	5,814	5,514	5,507	5,641	5,766	5,730	5,711
Dickinson	20,642	20,391	19,643	18,945	18,845	18,946	19,892	19,901	20,884	21,210	21,483	21,533	21,636
Doniphan	10,252	9,985	9,822	9,398	9,228	9,104	8,961	9,230	9,359	9,338	9,549	9,493	9,438
Douglas	35,100	36,119	37,903	37,705	39,296	41,409	41,364	41,313	41,603	42,653	44,002	45,176	46,384
Edwards	5,541	5,063	4,731	4,724	4,777	4,807	4,850	4,782	5,031	5,221	5,102	5,045	4,994
Elk	6,333	6,163	5,828	5,527	5,338	5,208	5,068	4,654	4,793	4,920	5,009	4,855	4,727
Ellis	18,299	18,488	18,377	18,020	18,197	18,419	18,992	19,000	19,583	20,559	21,319	21,542	21,789
Ellsworth	8,610	8,473	8,439	8,375	8,134	8,062	8,041	7,735	7,586	7,576	7,652	7,574	7,499
Finney	14,650	14,302	13,884	13,612	13,837	13,946	14,154	14,163	14,538	14,897	16,121	16,250	16,461
Ford	19,710	20,412	21,437	20,962	21,055	20,815	20,887	20,665	20,847	20,982	20,938	21,074	21,282
Franklin	19,227	18,955	18,893	18,619	18,942	19,105	19,492	19,423	19,403	19,511	19,529	19,549	19,608
Geary	22,402	23,401	23,436	23,722	24,643	25,362	26,479	26,621	27,368	28,010	28,973	29,729	30,635
Gove	4,253	4,235	4,210	4,109	4,008	4,066	4,042	3,983	4,144	4,094	4,104	4,088	4,080
Graham	4,868	5,005	5,034	5,050	5,137	5,223	5,280	5,261	5,319	5,506	5,600	5,653	5,732
Grant	4,715	4,520	4,377	4,278	4,366	4,373	4,493	4,636	4,712	4,951	5,289	5,343	5,418
Gray	4,593	4,775	4,611	4,463	4,628	4,735	4,642	4,496	4,403	4,298	4,362	4,319	4,301
Greeley	1,993	2,092	1,976	1,917	1,944	1,914	1,825	1,798	1,905	1,976	2,091	2,100	2,111
Greenwood	12,873	12,894	12,396	11,894	11,686	11,470	11,180	11,052	11,081	11,069	11,210	11,031	10,845
Hamilton	3,604	3,512	3,393	3,286	3,163	3,044	2,952	2,754	2,946	3,075	3,140	3,113	3,090

TABLE II (Continued)

Kansas

County	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Harper	9,932	9,746	9,320	8,973	8,992	9,072	9,149	9,106	9,494	9,500	9,532	9,473	9,419
Harvey	22,261	23,181	22,900	22,759	23,351	25,292	25,751	25,851	25,937	25,730	25,976	26,402	26,908
Haskell	2,535	2,671	2,615	2,586	2,643	2,684	2,829	2,810	2,878	2,918	2,991	3,010	3,050
Hodgeman	3,162	3,323	3,352	3,281	3,211	3,123	3,015	2,973	3,076	3,026	3,110	3,092	3,087
Jackson	11,203	10,945	10,430	9,932	10,069	10,233	10,420	10,318	10,364	10,051	10,295	10,250	10,202
Jefferson	10,601	10,515	10,374	10,168	10,828	11,162	11,207	10,956	10,959	11,174	11,265	11,312	11,382
Jewell	9,135	9,162	8,953	8,656	8,425	8,009	7,519	7,172	7,132	7,222	7,171	6,995	6,842
Johnson	65,032	73,787	85,682	97,862	104,518	110,340	112,466	136,854	138,229	139,203	146,729	149,705	158,878
Kearny	3,312	3,295	3,122	2,895	2,655	2,628	2,589	2,689	2,803	2,925	3,102	3,076	3,047
Kingman	10,000	10,015	9,718	9,679	9,900	10,108	10,246	10,084	10,166	9,921	9,950	9,927	9,930
Kiowa	4,458	4,603	4,708	4,586	4,805	4,991	4,848	4,655	4,572	4,539	4,613	4,561	4,556
Labette	30,497	30,562	31,391	31,689	31,398	30,909	29,346	28,728	28,163	27,255	26,740	26,522	26,401
Lane	2,727	2,612	2,683	2,726	2,829	2,943	2,987	2,712	2,820	2,920	3,068	3,093	3,125
Leavenworth	44,097	47,297	49,404	48,380	48,173	47,871	47,351	46,887	46,320	46,305	48,445	49,179	50,058
Lincoln	6,333	6,318	6,155	5,873	6,053	6,169	5,966	5,628	5,533	5,459	5,535	5,455	5,400
Linn	9,625	9,799	8,971	8,446	7,967	7,766	7,678	7,586	7,941	7,992	8,244	8,112	7,996
Logan	4,136	4,187	4,145	4,077	3,997	3,877	3,784	3,796	3,977	3,952	4,031	4,013	4,020
Lyon	24,697	22,519	21,984	22,070	22,409	22,496	23,514	24,482	25,177	25,468	26,955	27,067	27,260
McPherson	23,858	23,216	22,449	22,454	22,179	22,211	22,122	22,374	22,446	23,289	24,188	24,215	24,325
Marion	15,644	15,406	15,264	14,905	14,747	14,774	14,986	15,072	15,081	14,977	15,122	15,011	14,944
Marshall	18,286	18,118	17,557	17,439	17,314	17,471	17,266	16,452	15,719	15,395	15,554	15,369	15,239
Meade	5,436	5,321	5,191	4,932	4,917	4,446	4,623	4,628	4,817	5,363	5,505	5,501	5,509
Miami	20,394	20,485	20,688	20,455	20,465	20,515	20,338	19,726	19,577	19,624	19,864	19,919	20,038
Mitchell	10,015	10,109	9,763	9,598	9,272	9,438	8,950	8,497	8,762	8,589	8,837	8,705	8,592
Montgomery	47,307	46,407	45,962	45,981	45,767	46,548	47,064	46,352	45,592	45,245	44,957	44,750	44,637
Morris	7,975	7,711	7,453	7,286	7,316	7,618	7,679	7,459	7,611	7,281	7,370	7,291	7,210
Morton	2,446	2,198	2,178	2,131	2,694	2,778	3,186	3,192	3,231	3,257	3,379	3,458	3,539
Nemaha	13,716	13,588	13,475	12,759	12,827	12,972	12,954	12,916	13,098	12,956	12,864	12,753	12,680
Neosho	19,514	19,690	19,226	19,038	19,171	19,205	19,533	19,440	19,309	19,344	19,441	19,390	19,371
Ness	6,237	6,282	6,191	6,016	5,917	5,745	5,492	5,293	5,401	5,412	5,451	5,364	5,330
Norton	8,532	8,632	8,685	8,504	8,575	8,705	8,522	8,214	8,276	8,019	8,012	7,927	7,881
Osage	12,966	12,603	12,313	12,227	12,364	12,047	11,840	11,857	12,264	12,545	12,722	12,747	12,816
Osborne	8,713	8,563	8,317	7,750	7,553	7,456	7,472	7,265	7,292	7,347	7,485	7,393	7,321
Ottawa	6,777	6,770	6,854	6,780	6,664	6,569	6,597	6,510	6,607	6,560	6,754	6,724	6,714
Pawnee	10,567	10,430	10,322	10,518	10,643	10,786	10,824	10,464	10,484	10,232	10,244	10,189	10,141
Phillips	9,660	10,074	10,038	10,670	10,582	10,544	9,870	9,282	9,126	8,873	8,689	8,606	8,547
Pottawatomie	12,470	12,523	12,119	11,964	11,896	11,809	12,121	11,986	12,020	11,868	11,935	11,926	11,956
Pratt	11,981	12,158	12,091	11,908	12,140	12,271	12,378	11,943	11,603	11,715	12,122	12,088	12,082

TABLE II (Concluded)

Kansas

County	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Rawlins	5,510	5,513	5,588	5,540	5,427	5,564	5,377	5,024	4,986	4,986	5,274	5,239	5,202
Reno	55,497	54,925	54,191	56,014	58,186	60,804	60,619	61,194	60,520	59,073	59,130	59,503	60,025
Republic	10,996	11,015	11,033	9,824	9,846	9,784	9,756	9,488	9,743	9,558	9,730	9,582	9,469
Rice	15,933	16,005	15,870	15,386	14,870	14,423	14,015	13,689	13,511	13,883	13,860	13,686	13,551
Riley	31,315	30,984	30,532	30,193	30,529	30,900	32,560	32,869	34,074	36,239	49,254	55,319	54,566
Rooks	9,302	9,408	9,538	9,519	10,085	10,040	10,148	10,006	10,022	9,873	9,727	9,731	9,759
Rush	7,016	7,083	7,010	6,727	6,615	6,459	6,483	6,304	6,397	6,148	6,140	6,051	5,968
Russell	12,848	12,363	12,303	12,722	13,108	12,683	12,105	11,500	11,502	11,476	11,304	11,130	10,982
Saline	34,647	34,473	34,882	41,547	44,979	46,698	48,917	49,688	52,207	54,487	54,745	57,472	59,051
Scott	5,006	5,029	4,930	4,857	4,895	4,959	5,097	4,888	5,034	5,091	5,235	5,269	5,329
Sedgwick	235,094	250,274	277,776	294,412	307,474	333,396	337,443	345,409	344,464	344,909	324,059	320,740	320,883
Seward	10,089	10,466	10,431	10,322	10,819	11,810	12,785	12,829	13,796	14,986	16,134	16,979	17,906
Shawnee	109,329	111,814	115,624	120,362	128,297	129,511	137,841	137,338	138,458	142,197	144,220	147,752	150,927
Sheridan	4,373	4,494	4,372	4,033	4,040	3,915	3,854	3,808	3,978	4,186	4,258	4,244	4,231
Sherman	7,253	7,434	7,160	6,691	6,535	6,667	6,460	6,125	6,279	6,405	6,685	6,634	6,596
Smith	8,304	7,727	7,644	7,567	7,642	7,519	7,507	7,526	7,763	7,727	7,757	7,681	7,616
Stafford	8,286	7,973	8,154	7,966	8,165	8,480	8,315	7,523	7,552	7,448	7,428	7,327	7,245
Stanton	2,153	2,197	2,040	1,902	1,812	1,896	1,874	1,773	1,921	1,940	2,110	2,120	2,129
Stevens	4,500	4,405	4,183	4,093	3,857	3,836	3,884	3,933	4,047	4,279	4,396	4,391	4,394
Sumner	23,964	23,886	24,071	24,158	25,279	25,244	25,719	25,837	25,909	25,684	25,349	25,472	25,701
Thomas	7,334	7,517	7,099	6,768	6,874	6,939	7,111	6,780	6,958	6,986	7,356	7,337	7,350
Trego	5,630	5,704	5,516	5,221	5,096	4,972	4,966	4,894	5,227	5,332	5,465	5,422	5,395
Wabaunsee	6,896	6,947	6,927	6,848	6,842	6,881	6,863	6,686	6,781	6,698	6,640	6,585	6,568
Wallace	2,420	2,402	2,340	2,278	2,219	2,089	1,967	1,979	1,993	2,009	2,066	2,045	2,014
Washington	12,317	11,971	11,459	11,093	11,094	11,293	11,468	11,012	10,983	10,832	10,699	10,521	10,367
Wichita	3,168	3,088	3,131	2,773	2,573	2,369	2,145	1,996	2,003	2,497	2,767	2,775	2,799
Wilson	17,945	17,695	17,560	15,712	14,386	13,449	12,286	11,686	11,222	11,797	13,024	12,847	12,701
Woodson	8,034	7,926	7,923	6,841	6,234	5,862	5,439	4,682	4,767	5,065	5,393	5,278	5,185
Wyandotte	166,846	178,752	173,024	170,073	180,421	188,627	197,236	188,502	191,935	193,982	193,483	195,518	192,903

TABLE III

PER CAPITA PERSONAL INCOME IN KANSAS BY COUNTY: 1950-1962

(Dollars)

County	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Allen	1,119	1,155	1,297	1,243	1,337	1,257	1,340	1,477	1,601	1,606	1,670	1,763	1,816
Anderson	1,176	1,142	1,265	1,114	1,207	1,127	1,188	1,350	1,588	1,489	1,577	1,661	1,629
Atchison	1,257	1,412	1,486	1,504	1,608	1,634	1,629	1,787	1,891	1,852	1,856	1,913	1,978
Barber	1,493	1,588	1,951	1,430	1,550	1,548	1,625	1,850	2,146	1,977	2,029	2,032	1,969
Barton	1,479	1,779	1,908	1,756	1,812	1,871	2,004	1,949	2,138	2,172	2,200	2,173	2,190
Bourbon	1,142	1,159	1,249	1,234	1,334	1,392	1,445	1,628	1,737	1,732	1,793	1,845	1,925
Brown	1,350	1,182	1,336	1,176	1,330	1,180	1,252	1,366	1,680	1,706	1,755	1,852	1,865
Butler	1,461	1,582	1,587	1,478	1,528	1,408	1,514	1,582	1,740	1,764	1,738	1,730	1,727
Chase	1,771	1,746	1,874	1,534	1,554	1,441	1,655	1,623	2,175	2,046	2,114	2,161	2,086
Chautauqua	1,068	1,097	1,199	1,151	1,232	1,139	1,193	1,341	1,590	1,536	1,529	1,551	1,583
Cherokee	1,046	1,110	1,287	1,188	1,397	1,391	1,432	1,480	1,564	1,546	1,582	1,673	1,699
Cheyenne	1,381	1,440	2,020	1,608	1,603	1,448	1,412	1,800	2,334	2,095	2,297	2,290	2,296
Clark	1,828	1,909	2,441	1,532	1,833	1,656	1,925	2,168	2,988	2,578	2,690	2,707	2,733
Clay	1,298	1,333	1,519	1,447	1,515	1,376	1,412	1,520	1,842	1,809	1,856	1,997	2,012
Cloud	1,182	1,230	1,314	1,198	1,367	1,240	1,316	1,435	1,740	1,747	1,773	1,932	1,929
Coffey	1,165	1,117	1,290	1,107	1,224	1,141	1,211	1,375	1,681	1,600	1,674	1,777	1,822
Comanche	1,716	1,754	2,387	1,495	1,811	1,519	1,621	2,145	2,736	2,130	2,287	2,327	2,304
Cowley	1,193	1,281	1,438	1,437	1,415	1,372	1,469	1,523	1,681	1,763	1,767	1,850	1,903
Crawford	1,129	1,223	1,269	1,264	1,256	1,285	1,416	1,503	1,603	1,647	1,735	1,778	1,904
Decatur	1,563	1,482	1,890	1,390	1,641	1,420	1,327	1,528	2,158	1,835	2,076	2,086	2,117
Dickinson	1,355	1,377	1,543	1,456	1,571	1,510	1,513	1,621	1,870	1,901	1,897	1,980	2,023
Doniphan	1,010	9,585	1,113	1,000	1,093	9,625	9,715	1,023	1,314	1,246	1,224	1,347	1,382
Douglas	1,058	1,512	1,295	1,211	1,251	1,284	1,368	1,420	1,586	1,631	1,726	1,758	1,788
Edwards	1,338	1,674	2,179	1,379	1,763	1,504	1,530	1,766	2,226	1,868	2,222	2,262	2,257
Elk	1,202	1,235	1,361	1,218	1,358	1,246	1,306	1,532	1,728	1,573	1,555	1,554	1,553
Ellis	1,370	1,419	1,554	1,387	1,484	1,508	1,508	1,540	1,761	1,716	1,732	1,761	1,839
Ellsworth	1,321	1,416	1,652	1,285	1,495	1,354	1,374	1,452	1,849	1,761	1,817	1,905	1,950
Finney	1,588	1,724	2,080	1,698	1,694	1,717	1,775	1,901	2,302	2,219	2,290	2,361	2,417
Ford	1,503	1,568	1,811	1,494	1,508	1,516	1,579	1,662	1,974	1,972	2,218	2,333	2,364
Franklin	1,118	1,153	1,247	1,153	1,206	1,218	1,310	1,389	1,558	1,566	1,679	1,682	1,688
Geary	1,836	2,089	2,604	2,724	2,532	2,444	2,399	2,396	2,489	2,486	2,345	2,329	2,366
Gove	1,731	1,576	2,129	1,378	1,543	1,313	1,245	1,472	2,301	2,027	2,499	2,465	2,520
Graham	1,517	1,507	1,829	1,412	1,549	1,464	1,443	1,637	2,103	2,037	2,138	1,945	1,994
Grant	1,852	2,050	2,481	1,755	2,041	2,150	2,136	2,130	2,712	2,564	2,627	2,649	2,940
Gray	1,540	1,377	2,250	1,181	1,464	1,311	1,433	1,640	2,455	1,971	2,602	2,844	2,681
Greeley	2,350	1,872	3,636	1,642	1,951	1,780	1,945	2,528	3,558	3,187	3,448	2,930	3,402
Greenwood	1,429	1,480	1,575	1,388	1,497	1,414	1,484	1,612	1,789	1,831	1,797	1,790	1,802
Hamliton	1,865	1,789	2,392	1,451	1,632	1,732	1,694	2,066	2,868	2,738	3,134	2,848	2,921

TABLE III (Continued)

Kansas

County	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Harper	1,470	1,402	1,800	1,443	1,651	1,481	1,543	1,649	2,038	1,944	2,030	2,187	2,103
Harvey	1,245	1,282	1,419	1,348	1,370	1,233	1,402	1,535	1,761	1,843	1,854	1,897	1,872
Haskell	1,690	1,768	2,563	1,486	1,635	1,583	1,818	1,945	2,759	2,438	3,180	3,442	3,132
Hodgeman	1,724	1,605	2,266	1,073	1,515	1,326	1,519	1,682	2,513	2,013	2,597	2,636	2,750
Jackson	1,062	1,029	1,138	1,030	1,193	1,085	1,114	1,174	1,398	1,434	1,509	1,669	1,699
Jefferson	1,040	1,002	1,153	9,841	1,048	9,207	1,085	1,122	1,339	1,275	1,360	1,474	1,435
Jewell	1,438	1,273	1,410	1,020	1,403	1,063	1,151	1,348	1,812	1,564	1,718	1,880	1,850
Johnson	773	807	1,207	1,275	1,174	1,091	1,124	1,012	1,047	1,134	1,200	1,287	1,290
Kearny	2,237	2,030	2,716	1,573	1,951	1,979	2,009	2,242	3,219	2,759	2,912	3,086	2,954
Kingman	1,314	1,277	1,604	1,180	1,343	1,112	1,201	1,263	1,637	1,683	1,695	1,813	1,882
Kiowa	1,725	1,746	2,180	1,355	1,631	1,344	1,480	1,821	2,312	1,960	2,130	2,231	2,243
Labette	1,026	1,094	1,160	1,121	1,162	1,182	1,424	1,416	1,544	1,660	1,763	1,797	1,821
Lane	2,321	2,232	3,177	1,680	1,938	1,726	1,635	1,812	2,880	2,444	2,964	2,942	3,101
Leavenworth	1,135	1,179	1,272	1,344	1,348	1,368	1,454	1,523	1,627	1,662	1,672	1,708	1,666
Lincoln	1,440	1,383	1,715	1,329	1,514	1,227	1,271	1,376	1,074	1,169	1,903	2,108	2,129
Linn	1,031	9,055	1,080	939	1,113	1,002	1,123	1,383	1,558	1,564	1,609	1,654	1,576
Logan	1,739	1,541	2,151	1,442	1,704	1,623	1,675	2,250	2,657	2,317	2,600	2,508	3,141
Lyon	1,402	1,603	1,711	1,581	1,674	1,749	1,834	1,775	1,915	1,930	1,953	2,053	2,033
McPherson	1,397	1,470	1,632	1,471	1,556	1,449	1,575	1,608	1,979	1,943	1,949	2,082	2,110
Marion	1,264	1,157	1,278	1,123	1,248	1,083	1,122	1,201	1,553	1,519	1,556	1,639	1,659
Marshall	1,239	1,178	1,338	1,278	1,384	1,206	1,227	1,365	1,738	1,709	1,748	1,919	1,953
Meade	1,504	1,560	2,093	1,413	1,608	1,587	1,314	1,734	2,336	1,859	2,104	2,281	2,137
Miami	1,075	1,101	1,183	1,133	1,216	1,243	1,384	1,458	1,564	1,541	1,702	1,718	1,688
Mitchell	1,306	1,295	1,539	1,252	1,541	1,234	1,300	1,431	1,941	1,822	1,926	2,040	2,140
Montgomery	1,135	1,281	1,518	1,513	1,633	1,579	1,773	1,824	1,876	1,867	1,898	1,920	1,954
Morris	1,457	1,390	1,573	1,329	1,424	1,216	1,313	1,683	1,860	1,795	1,796	1,897	1,944
Morton	1,563	2,110	2,316	1,809	1,720	1,348	1,585	2,296	2,509	2,231	2,337	2,320	2,442
Nemaha	1,261	1,189	1,272	1,142	1,327	1,091	1,104	1,222	1,575	1,493	1,303	1,726	1,737
Neosho	1,170	1,165	1,264	1,234	1,304	1,303	1,433	1,526	1,630	1,736	1,794	1,827	1,848
Ness	1,645	1,554	2,163	1,232	1,559	1,403	1,418	1,459	2,267	1,884	2,214	2,223	2,335
Norton	1,381	1,387	1,573	1,298	1,479	1,311	1,357	1,551	1,859	1,806	1,937	2,034	2,063
Osage	1,047	1,052	1,109	957	1,050	1,008	1,144	1,216	1,410	1,365	1,435	1,543	1,458
Osborne	1,395	1,344	1,603	1,288	1,558	1,337	1,286	1,441	1,938	1,809	1,916	1,992	1,987
Ottawa	1,261	1,251	1,497	1,229	1,475	1,240	1,300	1,445	1,842	1,749	1,756	1,857	1,918
Pawnee	1,386	1,437	1,916	1,388	1,660	1,478	1,486	1,563	2,020	1,885	2,153	2,205	2,314
Phillips	1,179	1,150	1,340	1,025	1,294	1,171	1,255	1,324	1,713	1,663	1,821	1,955	2,031
Pottawatomie	1,303	1,212	1,326	1,150	1,259	1,123	1,173	1,274	1,584	1,539	1,579	1,656	1,676
Pratt	1,574	1,569	1,945	1,585	1,748	1,642	1,748	1,889	2,242	2,138	2,165	2,286	2,306

TABLE IVa

MAJOR COMPONENTS OF PERSONAL INCOME IN KANSAS BY COUNTY: 1950

(Thousands of Dollars)

County	Total Personal Income	Farm Income	Government			Private Nonfarm Income	Less Personal Contributions Social Insurance
			Total	Federal	State Local		
Allen	19,466	4,638	2,721	1,237	1,484	12,285	178
Anderson	11,566	4,312	1,604	713	891	5,122	70
Atchinson	26,183	4,325	3,330	1,934	1,396	18,828	300
Barber	13,012	5,072	1,641	549	1,092	6,385	86
Barton	45,275	6,172	3,365	1,870	1,495	36,250	512
Bourbon	21,318	4,960	2,784	1,458	1,326	13,783	209
Brown	18,274	7,846	2,274	1,028	1,246	8,255	101
Butler	46,859	10,482	4,521	2,150	2,371	32,361	505
Chase	8,083	4,293	1,140	340	800	2,692	42
Chautauque	7,494	2,767	1,304	503	801	3,469	46
Cherokee	25,321	4,186	3,828	1,761	2,067	17,575	268
Cheyenne	9,274	4,889	1,080	581	499	3,342	37
Clark	6,879	3,170	792	234	558	2,955	38
Clay	14,479	5,717	1,769	897	872	7,076	83
Cloud	19,494	5,515	2,266	1,098	1,168	11,864	151
Coffey	11,557	5,845	1,463	706	757	4,298	49
Comanche	6,353	3,204	740	227	513	2,445	36
Cowley	43,691	7,603	5,290	2,659	2,631	31,249	451
Crawford	43,552	4,642	7,460	3,783	3,677	31,929	479
Decatur	9,258	4,958	1,018	438	581	3,325	43
Dickinson	27,972	7,881	3,784	2,110	1,674	16,534	227
Doniphan	10,360	5,446	1,766	682	1,084	3,198	50
Douglas	37,163	5,044	10,254	5,055	5,199	22,274	409
Edwards	7,414	3,063	937	399	538	3,459	45
Elk	7,615	3,525	1,221	483	738	2,910	41
Ellis	25,086	4,298	3,371	1,533	1,838	17,691	274
Ellsworth	11,374	3,769	1,420	564	856	6,266	81
Finney	23,267	5,391	1,977	1,030	947	16,115	216
Ford	29,635	4,889	2,224	1,429	795	22,816	294
Franklin	21,499	5,620	3,011	1,467	1,544	13,046	178
Geary	41,138	2,809	26,094	25,373	721	12,865	630
Gove	7,362	4,219	815	293	522	2,361	33
Graham	7,389	3,613	1,063	342	721	2,754	41
Grant	8,734	2,213	596	252	344	6,023	98
Gray	7,076	3,327	726	269	457	3,062	39

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TABLE IVa (Continued)

Kansas

County	Total Personal Income	Farm Income	Government Total	Government Federal	Government State Local	Private Nonfarm Income	Less Personal Contributions Social Insurance
Greeley	4,684	2,738	385	136	249	1,580	21
Greenwood	18,397	6,313	2,512	954	1,558	9,698	142
Hamilton	6,724	2,883	644	215	429	3,230	37
Harper	14,603	6,243	1,505	728	777	6,930	85
Harvey	27,731	6,409	2,831	1,546	1,285	18,733	274
Haskell	4,284	1,641	573	156	417	2,096	29
Hodgemen	5,454	3,360	506	192	314	1,604	18
Jackson	11,901	5,789	1,842	824	1,018	4,324	61
Jefferson	11,031	5,364	1,861	752	1,109	3,854	54
Jewell	13,138	7,860	1,741	678	1,063	3,582	51
Johnson	50,284	5,022	11,254	6,596	4,658	36,121	579
Kerny	7,421	2,648	558	244	314	4,275	68
Kingman	13,140	6,325	1,413	675	738	5,461	67
Kiowa	7,692	3,403	919	302	617	3,417	53
Labette	31,293	5,299	5,578	3,465	2,113	20,712	335
Lane	6,331	3,234	465	193	272	2,657	28
Leavenworth	50,057	4,250	24,613	22,491	2,122	21,886	698
Lincoln q	9,122	4,399	1,146	445	701	3,616	44
Linn	9,930	4,798	1,767	692	1,075	3,413	54
Logan	7,193	3,050	820	272	548	3,357	38
Lyon	34,643	7,468	4,514	2,121	2,393	22,967	346
McPherson	33,335	9,848	3,063	1,528	1,535	20,666	273
Marion	19,774	8,599	2,865	1,050	1,815	8,405	108
Marshall	22,664	8,943	3,339	1,352	1,987	10,509	144
Meade	8,178	3,176	1,071	340	731	3,977	52
Miami	21,933	5,362	3,586	1,581	2,005	13,175	215
Mitchell	13,087	5,132	1,469	674	795	6,549	71
Montgomery	53,718	4,452	6,934	3,643	3,291	42,912	655
Morris	11,621	5,526	1,557	655	902	4,597	67
Morton	3,824	1,639	510	217	293	1,700	28
Nemaha	17,298	8,687	1,916	898	1,018	6,760	73
Neosho	22,838	4,562	2,979	1,482	1,497	15,502	232
Ness	10,264	5,115	1,259	427	832	3,934	49
Norton	11,790	4,728	2,102	604	1,498	5,026	75
Osage	13,577	6,085	1,941	999	942	5,616	73

TABLE IVa (Concluded)

Kansas

County	Total Personal Income	Farm Income	Government Total	Government Federal	Government State Local	Private Nonfarm Income	Less Personal Contributions Social Insurance
Osborne	12,159	5,246	1,313	596	717	5,667	67
Ottawa	8,547	3,842	1,295	510	785	3,451	41
Pawnee	14,649	4,420	2,374	673	1,701	7,972	117
Phillips	11,398	4,815	1,291	622	669	5,358	66
Pottawatomie	16,251	7,015	2,079	938	1,141	7,253	96
Pratt	18,858	4,817	2,020	896	1,124	12,185	164
Rawlins	10,377	5,580	1,046	368	678	3,793	42
Reno	78,323	11,682	7,293	3,826	3,467	60,215	867
Republic	14,786	7,431	1,845	862	983	5,579	69
Rice	21,274	5,116	2,193	998	1,195	14,169	204
Ripley	52,737	5,026	28,676	23,027	5,649	19,776	741
Rooks	13,080	4,059	1,800	584	1,216	7,332	111
Rush	9,341	3,773	1,296	478	818	4,321	49
Russell	20,438	4,180	2,180	870	1,310	14,287	209
Saline	48,375	4,976	5,037	3,291	1,746	38,938	576
Scott	8,746	3,627	619	305	314	4,553	53
Sedgwick	371,580	10,672	35,298	22,173	13,125	330,721	5,111
Seward	15,316	1,844	1,157	649	508	12,482	167
Shawnee	177,069	5,146	35,957	20,905	15,052	138,531	2,565
Sheridan	7,328	4,159	659	272	387	2,535	25
Sherman	12,890	5,595	958	534	424	6,409	72
Smith	11,725	6,280	1,476	584	892	4,020	51
Stafford	13,253	4,789	1,782	569	1,213	6,782	100
Stanton	4,903	2,779	330	130	200	1,821	27
Stevens	7,490	2,623	834	263	571	4,097	64
Sumner	29,731	10,139	3,782	1,792	1,990	16,028	218
Thomas	14,749	6,530	1,075	495	580	7,225	81
Trego	7,185	3,333	738	328	410	3,146	32
Wabaunsee	10,202	5,692	1,236	488	748	3,322	48
Wallace	4,752	2,850	405	156	249	1,514	17
Washington	15,867	8,497	2,050	827	1,223	5,392	72
Wichita	5,036	2,763	386	175	211	1,911	24
Wilson	15,871	4,419	2,258	1,090	1,168	9,327	133
Woodson	6,903	3,241	1,055	470	585	2,641	34
Wyandotte	261,540	1,417	24,441	14,612	9,829	239,833	4,151

TABLE IVb

MAJOR COMPONENTS OF PERSONAL INCOME IN KANSAS BY COUNTY: 1962

(Thousands of Dollars)

County	Total Personal Income	Farm Income	Government			Private Nonfarm Income	Less Personal Contributions Social Insurance
			Total	Federal	State Local		
Allen	29,166	3,742	6,314	3,040	3,274	19,711	601
Anderson	14,381	4,263	3,080	1,760	1,320	7,291	253
Atchinson	41,231	3,712	7,101	3,529	3,572	31,333	915
Barber	17,262	4,509	1,725	1,492	233	11,355	327
Barton	75,208	5,613	9,094	4,437	4,657	62,170	1,669
Bourbon	30,035	4,266	6,100	3,346	2,754	20,309	640
Brown	24,172	6,687	4,574	2,689	1,885	13,353	442
Butler	69,450	6,983	11,751	5,549	6,202	52,259	1,543
Chase	7,888	2,865	1,366	764	602	3,792	135
Chautauqua	9,067	2,157	1,628	1,238	390	5,439	157
Cherokee	36,991	3,275	8,765	4,147	4,618	25,748	797
Cheyenne	10,389	4,094	1,073	537	536	5,397	175
Clark	9,015	3,060	944	486	458	5,166	155
Clay	21,106	4,871	3,835	2,007	1,828	12,805	405
Cloud	27,197	4,513	4,837	2,730	2,107	18,388	541
Coffey	14,715	4,370	2,817	1,845	972	7,784	256
Comanche	7,311	3,327	627	559	98	3,443	116
Cowley	72,467	5,642	16,108	6,753	9,355	52,399	1,682
Crawford	69,430	3,985	18,340	9,029	9,311	48,594	1,489
Decatur	12,091	3,914	1,784	975	809	6,586	193
Dickinson	43,772	6,240	7,781	4,884	2,897	30,644	893
Doniphan	13,046	4,751	2,772	1,713	1,059	5,739	216
Douglas	82,952	4,231	25,415	7,236	18,179	55,287	1,981
Edwards	11,274	3,788	1,793	932	861	5,896	203
Elk	7,343	2,480	1,570	1,085	485	3,411	118
Ellis	40,090	3,889	7,873	2,787	5,086	29,199	871
Ellsworth	14,624	3,477	2,213	1,342	871	9,207	273
Finney	39,794	8,355	5,203	2,159	3,044	27,086	850
Ford	50,330	6,818	7,731	3,584	4,147	36,881	1,100
Franklin	33,155	5,092	7,015	4,007	3,008	21,683	675
Geary	72,493	2,211	47,809	44,469	3,340	24,454	1,981
Gove	10,283	4,799	974	628	346	4,700	190
Graham	11,433	3,533	1,478	821	657	6,630	208
Grant	15,929	3,793	1,251	455	796	11,260	375
Gray	11,535	5,097	1,360	754	606	5,295	217

TABLE IVb (Continued)

Kansas

County	Total Personal Income	Farm Income	Government Total	Government Federal	Government State Local	Private Nonfarm Income	Less Personal Contributions Social Insurance
Greeley	7,182	3,982	581	260	321	2,749	130
Greenwood	19,551	3,995	3,639	2,310	1,329	12,268	351
Hamilton	9,027	4,037	918	504	414	4,229	157
Harper	19,809	5,137	3,498	1,695	1,803	11,534	360
Harvey	50,375	4,604	9,459	5,408	4,051	37,442	1,130
Haskell	9,554	4,176	639	309	330	4,928	189
Hodgemen	8,490	4,400	833	390	443	3,418	161
Jackson	17,335	4,420	3,447	2,171	1,276	9,802	334
Jefferson	16,337	4,464	3,119	2,239	880	9,034	280
Jewell	12,664	6,213	2,424	1,357	1,067	4,244	217
Johnson	204,992	4,108	38,436	26,244	12,192	166,890	4,442
Kearny	9,095	4,244	921	344	577	4,114	184
Kingman	18,689	4,791	3,137	1,795	1,342	11,137	376
Kiowa	10,217	3,366	1,134	739	395	5,924	207
Labette	48,084	4,325	17,033	9,981	7,052	27,807	1,081
Lane	9,691	3,967	902	428	474	5,004	182
Leavenworth	83,392	3,457	43,124	37,608	5,516	38,845	2,034
Lincoln	11,496	4,159	1,562	1,034	528	5,973	198
Linn	12,599	4,325	2,483	1,685	798	5,996	205
Logan	12,628	4,091	1,126	666	460	7,675	264
Lyon	55,410	6,038	11,744	5,556	6,188	38,855	1,227
McPherson	51,337	6,755	8,884	4,446	4,438	36,848	1,150
Marion	24,788	6,422	4,442	2,686	1,756	13,381	458
Marshall	29,760	7,643	3,889	3,224	665	18,723	495
Meade	11,774	4,086	1,087	745	342	6,810	209
Miami	33,825	4,494	8,809	3,316	5,493	21,240	718
Mitchell	18,386	4,263	3,294	1,836	1,458	11,171	342
Montgomery	87,215	4,091	17,935	8,727	9,208	67,192	2,003
Morris	14,013	4,013	2,671	1,584	1,087	7,590	261
Morton	8,644	2,937	723	410	313	5,149	165
Nemaha	22,023	6,998	3,783	2,224	1,559	11,628	386
Neosho	35,789	4,133	7,255	3,750	3,505	25,150	749
Ness	12,446	5,557	1,276	945	331	5,828	215
Norton	16,260	3,917	3,428	1,512	1,916	9,230	315
Osage	18,692	4,633	4,631	3,527	1,104	9,776	348

TABLE IVb (Concluded)

Kansas

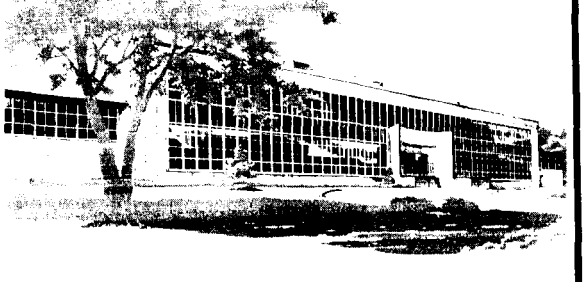
County	Total Personal Income	Farm Income	Government			Private Nonfarm Income	Less Personal Contributions Social Insurance
			Total	Federal	State Local		
Osborne	14,544	4,592	2,442	1,475	967	7,760	250
Ottawa	12,203	3,770	2,497	1,476	1,021	6,138	202
Pawnee	23,469	5,421	5,870	1,572	4,298	12,665	487
Phillips	17,363	4,242	2,868	1,574	1,294	10,584	331
Pottawatomie	20,037	4,963	3,677	2,248	1,429	11,757	360
Pratt	27,891	4,165	4,422	2,087	2,335	19,882	578
Rawlins	10,618	4,089	900	711	189	5,786	157
Reno	137,378	9,142	20,327	10,898	9,429	111,099	3,190
Republic	19,140	6,130	3,342	1,985	1,357	10,036	368
Rice	28,435	4,893	4,597	2,460	2,137	19,556	611
Riley	102,260	3,731	61,214	45,276	15,938	40,064	2,749
Rooks	16,920	4,003	2,486	1,642	844	10,769	338
Rush	12,950	4,451	2,232	1,593	639	6,489	222
Russell	28,598	3,848	4,318	1,937	2,381	21,015	583
Saline	165,466	4,473	46,681	39,618	7,063	118,709	4,397
Scott	20,631	5,700	1,334	648	686	14,061	464
Sedgwick	953,803	8,286	146,715	81,542	65,173	823,485	24,683
Seward	41,634	2,997	4,213	1,765	2,448	35,421	997
Shawnee	395,290	4,311	114,073	69,259	44,814	286,813	9,907
Sheridan	9,794	4,254	1,332	546	786	4,362	154
Sherman	16,973	4,687	2,544	1,339	1,205	10,071	329
Smith	14,189	5,506	2,215	1,464	751	6,703	235
Stafford	15,780	4,582	2,115	1,261	854	9,368	285
Stanton	7,955	4,384	563	234	329	3,151	143
Stevens	12,038	4,097	1,118	538	580	7,061	238
Sumner	45,138	7,984	9,047	4,932	4,115	28,996	889
Thomas	18,933	5,533	2,282	1,097	1,185	11,467	349
Trego	10,662	4,071	1,505	688	817	5,284	198
Wabaunsee	10,387	3,979	1,857	1,298	559	4,727	176
Wallace	5,986	3,114	713	334	379	2,269	110
Washington	18,103	7,077	3,254	2,148	1,106	8,086	314
Wichita	9,331	4,645	797	320	477	4,062	173
Wilson	22,611	3,435	4,838	2,475	2,363	14,802	464
Woodson	9,126	2,502	2,143	1,203	940	4,645	164
Wyandotte	492,584	703	75,168	33,876	41,292	429,252	12,539

TABLE V

WAGE AND SALARY INCOME BY SECTOR IN KANSAS BY COUNTY: 1950-1962

(Thousands of Dollars)

County	Total Personal Income	Total Wages & Salaries	Farm	Mining	Contract Construction	Manufacturing	Wholesale & Retail Trade	Finan. Ins. & Real Estate	Transportation	Comm. and Public Utilities	Services	Government	Other
1950													
Barton	45,275	25,136	649	7,135	2,454	1,417	6,075	279	2,177	1,171	2,072	1,698	9
Butler	46,859	24,769	1,032	3,467	4,191	6,691	3,108	313	1,699	777	1,360	2,127	4
Cowley	43,691	22,126	567	2,070	460	5,067	4,078	447	3,734	838	2,688	2,160	17
Crawford	43,552	23,490	238	2,160	1,997	4,140	5,029	584	4,100	887	1,758	2,596	1
Johnson	50,284	28,387	761	106	3,786	1,158	3,161	3,313	3,253	1,114	3,834	7,846	55
Montgomery	53,718	32,156	324	948	1,084	11,019	5,598	898	5,722	1,622	2,339	2,451	151
Reno	78,323	42,560	810	1,047	4,776	8,891	12,898	1,411	3,216	1,853	4,049	3,568	41
Saline	48,375	28,256	467	163	2,077	3,830	10,534	971	3,301	1,078	2,993	2,678	64
Sedgwick	371,580	250,778	1,098	4,581	15,389	89,657	67,653	8,864	15,682	7,592	21,773	18,291	198
Shawnee	177,069	125,867	599	246	7,113	21,313	25,042	7,458	19,151	4,769	13,174	26,975	27
Wyandotte	261,540	203,724	400	1,278	10,774	93,686	33,823	3,869	36,187	1,813	10,973	10,883	38
1962													
Barton	75,208	40,864	376	9,222	2,567	2,888	10,894	1,069	2,161	2,214	4,419	5,037	17
Butler	69,450	38,367	800	5,231	1,512	12,167	5,639	988	1,966	1,287	2,779	5,989	9
Cowley	72,467	43,653	669	1,659	1,122	9,787	8,342	1,112	4,312	1,207	6,210	9,200	33
Crawford	69,430	38,428	259	831	2,633	7,266	7,785	1,304	3,931	1,606	3,353	9,458	2
Johnson	204,992	115,548	895	376	13,948	12,769	24,565	6,880	9,398	3,331	20,724	22,550	111
Montgomery	87,215	53,266	384	650	1,208	19,243	8,432	1,335	6,755	2,433	3,975	8,550	301
Reno	137,378	82,017	956	629	5,707	21,521	21,867	4,984	4,511	3,286	7,544	10,929	83
Saline	165,466	121,388	643	268	34,697	9,183	19,089	2,969	4,879	2,254	9,137	38,141	128
Sedgwick	953,803	692,300	1,316	15,273	43,044	290,783	122,435	29,003	19,844	16,633	53,991	99,581	397
Shawnee	395,290	276,508	733	210	17,417	40,537	46,742	15,014	27,751	10,998	27,614	89,439	53
Wyandotte	492,584	360,301	332	2,513	19,664	142,421	67,397	10,220	45,820	3,478	24,535	43,906	75



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